

Program name : C program to find maximum between two numbers

Source Code:

```
#include<stdio.h>

int main(){

    int A , B;

    printf("Enter value A :");

    scanf("%d", &A);

    printf("Enter value B :");

    scanf("%d",&B);

    if(A>B){

        printf("Maximum number = %d",A);

    }

    else{

        printf("Maximum number = %d",B);

    }

    return 0;

}
```

Input :

Enter value A : 98

Enter value B : 56

Output :

Maximum number = 98

Program name: C program to find maximum between three numbers

Source Code:

```
#include<stdio.h>>

int main(){

    int A, B, C;

    printf("Enter first number A : ");
    scanf("%d", &A);

    printf("Enter second number B: ");
    scanf("%d",&B);

    printf("Enter third number C: ");
    scanf("%d", &C);

    if (A>=B && A>=B){
        printf("Maximum = %d\n", A);
    }

    else if(B>=A && B>=C){

        printf("Maximum = %d\n",B);
    }

    else {
        printf("Maximum = %d\n",C);
    }

    return 0;

}
```

Input :

Enter first number A : 89
Enter second number B : 78
Enter third number C : 65

Output :

Maximum = 89

Program name : C program to check whether a number is positive, negative or zero

Source Code:

```
#include <stdio.h>

int main() {

int A;

printf("Enter a number: ");

scanf("%d", &A);

if(A > 0){

    printf("Number is POSITIVE");

    }

else if(A < 0){

    printf("Number is NEGATIVE");

    }

else if(A == 0){

    printf("Number is ZERO");

    }

    return 0;

}
```

Input:

Enter a number: 56

Output :

Number is Positive

Program name : C program to check whether a number is divisible by 5 and 11 or not

Source Code:

```
#include <stdio.h>

int main(){
    int A;
    printf("Enter a number: ");
    scanf("%d", &A);
    if((A % 5 == 0) && (A % 11 == 0))
    {
        printf("Number is divisible by 5 and 11");
    }
    else
    {
        printf("Number is not divisible by 5 and 11");
    }
    return 0;
}
```

Input :

Enter a number: 55

Output :

Number is divisible by 5 and 11

Program name : C program check whether a number is even or odd

Source Code:

```
#include<stdio.h>

int main(){
    int B;

    printf("Enter a number:");
    scanf("%d", &B);

    if(B%2==0){
        printf("Number is Even number:");
    }
    else{
        printf("Number is Odd number:");
    }
    return 0;
}
```

Input :

Enter a number : 67

Output :

Number is Odd number

Program name : C program to check Leap Year

Source Code:

```
#include<stdio.h>
int main(){
    int year;
    printf("Enter a Year:");
    scanf("%d",&year);

    if(year%4==0 && year%100!=0 || year%400==0){
        printf("%d Year is Leap Year:");
    }
    else{
        printf("%d Year is Leap Year:");
    }
    return 0;
}
```

Input :

Enter a Year: 2024

Output :

2024 Year is leap Year

Program name : C program to check whether a character is alphabet or not

Source Code:

```
#include<stdio.h>

int main(){
    char ch;
    printf("Enter a character : ");
    scanf("%c",&ch);
    if(ch>='A' && ch<='Z' || ch>='a' && ch<='z'){
        printf("%c is a Alphabet:",ch);
    }
    else{
        printf("%c is not a Alphabet r:",ch);
    }
    return 0;
}
```

Input :

Enter a character : #

Output :

Is not Alphabet

Program name : C program to check vowel or consonant

Source Code:

```
#include<stdio.h>

int main(){
    char ch;
    printf("Enter a Alphabets : ");
    scanf("%c",&ch);

    if(ch=='a' || ch=='e' || ch=='i' || ch=='o' || ch=='u' ||
       ch=='A' || ch=='E' || ch=='I' || ch=='O' || ch=='U'){
        printf("%c is Vowel.", ch);
    }
    else{

        printf("%c is Constant.", ch);
    }
    return 0;
}
```

Input :

Enter a Alphabets : U

Output :

U is Vowel

Program Name : check whether a character is alphabet, digit or special character

Source code:

```
#include<stdio.h>

int main(){

    char ch;

    printf("Enter a Character : ");

    scanf("%c",&ch);

    if(ch>='A' && ch<='Z' || ch>='a' && ch<='z'){

        printf("%c is Alphabet. ",ch);

    }

    else if(ch>='0' && ch<='9'){

        printf("%c is Digit.",ch);

    }

    else{

        printf("%c is Special Character.",ch);

    }

    return 0;

}
```

Input :

Enter a Character : @

Output :

@ is a Special Character.

Program Name : check whether a character is Uppercase or Lowercase

Source code:

```
#include<stdio.h>

int main(){

    char ch;

    printf("Enter a Alphabet : ");

    scanf("%c",&ch);

    if(ch>='A' && ch<='Z'){

        printf("%c is uppercase. ",ch);

    }

    else{

        printf("%c is lowercase.",ch);

    }

    return 0;

}
```

Input :

Enter a Alphabets : B

Output :

B is Uppercase.

